BUFFALO AirStation TURBO G

Turbo G Wireless Smart Router & ADSL2+ Modem – WMR-G54S

The Buffalo Turbo G Wireless Smart Router & ADSL2+ Modem combines the 125* High Speed Mode wireless performance with Buffalo's AirStation One-Touch Secure System™ (AOSS™). This router increases "real world" wireless performance up to 35% compared to a standard 802.11g Router. This Smart Router automatically detects and configures your Cable or DSL internet connection. Security features include WPA, WEP, Privacy Separator, Intrusion Detector, and SPI firewall. In addition to fast wireless performance, WHR-G54S features a built-in external switch between wireless router and wireless bridge access point. The combination of speed, security, and push-button setup of wireless connections and internet, makes the Buffalo Turbo G Wireless Smart Router & ADSL2+ Modem the ideal choice for your wireless network.

- ADSL2+ Compatible
- 802.11g Wireless 125* High- Speed Mode™ Transfer Rates When Used with 125* High- Speed Mode™ Adapter
- Simple Web Browser Configuration
- Supports WDS To Increase Coverage With Optional Repeater
- External Switch To Instantly Change Between Wireless Router and Wireless Access Point
- Easy Setup with AirStation One-Touch Secure System™ (AOSS™)
- Automatic Channel Support Selects Best Available Wireless Networking Channel
- Supports WPA-PSK (TKIP, AES) and 128/64-bit WEP Security
- Includes NAT and SPI Firewall and Intrusion Detector
- Dynamic Packet Filtering
- Built-in DHCP Server
- Built-in 10/100 4-Port Auto-Sensing Switch
- Optimised High-Speed Routing, up to 5 Times Faster than Standard Routers

Automatically Detects and Sets Up Your ADSL Internet Connection.

AirStation
WHR-G54S

BB-ADSL2+

2 Products in 1!

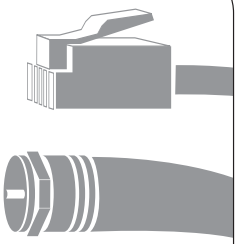
External Switch Quickly And Easily Changes Between Wireless Router and Wireless Bridge Access Point

Router Mode
Shares a Cable or DSL connection with multiple wired and wireless devices.

Bridge Access Point Mode
Quickly adds wireless access to your existing local area network.

Smart Router

Automatically Sets Up Cable or DSL Connection.



Automatic Router Configuration makes installing your wireless router easier than ever. Plug your cable or DSL modem into the AirStation, then plug your computer into the AirStation or connect to the AirStation wirelessly and open your web browser.*

*Users with DSL PPPoE connections will have to enter PPPoE information on a wizard screen that automatically appears upon opening your browser.

AOSS™ AirStation One-Touch Secure System

WPA TKIP AES SECURITY

125 HIGH SPEED MODE

Intrusion Detector

Auto Channel

ADSL2+ MODEM & ROUTER

BUFFALO™

www.buffalo-technology.com

Technical Specifications
Turbo G Wireless Smart Router & ADSL2+ Modem – WMR-G54S

Wireless LAN Interface - WHR-G54S

Standard Compliance	IEEE802.11b/IEEE802.11g
Communication Protocol	Direct Sequence Spread Spectrum (DSSS), OFDM
Frequency Range	2,412 - 2,462 MHz (1-11 channel)
Transmission Rate	802.11g 125* High-Speed Mode: 13, 20, 27, 40, 54, 80, 110, 125 Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps 802.11b: 1, 2, 5.5, 11 Mbps
Access Mode	Infrastructure mode, WDS
Security	WPA-PSK(AES, TKIP), 128/64-bit WEP, Wireless Power Output Setting, MAC Address Registration

Wired LAN Interface - WHR-G54S

Standards Compliance	IEEE802.3u(100 Base-TX) IEEE802.3(10 Base-T)
Transmission Rate	10/100 Mbps
Transmission Encoding Method	100 BASE-TX 4B5B/MLT-3 10 Base-T Manchester Coding
Access Method	CSMA/CD
LAN Port	10/100 Mbps, Auto Sensing, Auto MDIX
Number of LAN Ports	4
WAN Port	10/100 Mbps, Auto Sensing, Auto MDIX High-Speed Routing to Support FTTH
Number of WAN Ports	1
WAN/LAN Port Connector	RJ-45
Security	Dynamic Packet Filtering, Intrusion Detector, NAT/SPI Firewall

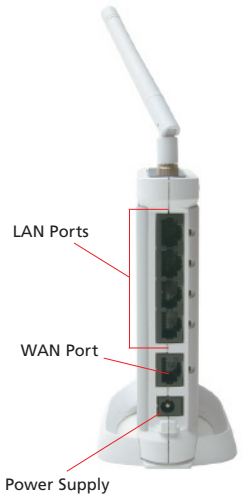
Other - WHR-G54S

Power Supply	100-240 V AC Universal, 50/60 Hz
Power Consumption	About 3.4 W (Max)
Dimensions	1.1 x 5.1 x 5.7 in. (28 x 130 x 144 mm)
Weight	9.8 oz. (277 g)
Operating Environment	0-40°C, 20-80% (non-condensing)

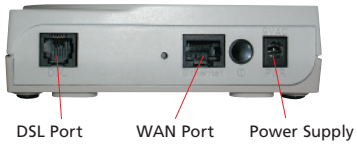
BB-ADSL2+ Specifications

Interface	One RJ-11 port for ADSL connection One RJ-45 port for IEEE 802.3/802.3u 10/100 Base-T auto-sensing and auto-crossover Ethernet connection One hidden reset button for restoring to factory default settings
Regulatory Approvals and Compliance	EMI: FCC part 15 Class B Immunity: FCC part 68 Class B Safety: UL, CB, LVD
Power Adaptor	Input 110±10 or 230±10 VAC; Output 9 VAC, 1A
Power Consumption	less than 10 Watt
Ambient Temperature	0 to 40°C (32 to 96°F)
Relative Humidity	20% to 90% (non-condensing)
Dimensions	80 mm(L) x 105 mm(W) x 20 mm(H)
Weight	58g

Rear View



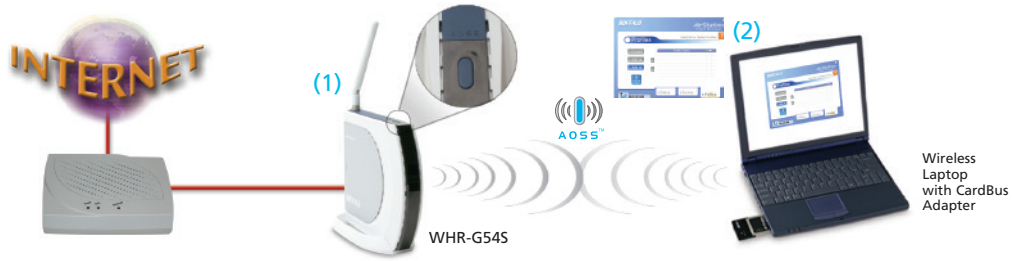
WHR-G54S



BB-ADSL2+

AOSS™ - One Click. One Touch. Done.

- (1) Press the AOSS button on the router to initiate the AOSS session.
- (2) Click on the AOSS icon in the Buffalo Client Manager Software.



- Done - A secure connection is automatically established between the Router and the Laptop.

AOSS functions between Buffalo AOSS enabled devices only. Buffalo client devices are AOSS enabled by using Buffalo's updated client manager software (Windows clients only).

Buffalo Technology (UK), Ltd. is a leading global provider of affordable, easy-to-use, next-generation wired and wireless network solutions for the consumer, SOHO and SMB markets. Buffalo offers home users a full suite of wireless home networking solutions such as its award-winning line of AirStation 54g products; its 125* High-Speed Mode™ 802.11g products; and its versatile line of 802.11b/g combo products. Buffalo completes its offerings with additional world-class networking solutions that include memory, storage and multimedia products – perfectly suited for any wireless environment.

BUFFALO™

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